

Pg 16

Q 6) $2x + y = 7$ (2) \Rightarrow $4x + 2y = 14$
 $3x - 2y = 0$

 $7x = 14$
 $x = 2$

$x = 2$
 $y = 3$

$2(2) + y = 7$
 $4 + y = 7$
 $-4 \mid \quad y = 3 \mid -4$

Pg 16 Q7 \rightarrow 21

Forming Simultaneous Equations from English.

words	maths
a number	x or any letter
the sum	+ add
the difference	- subtract
twice	2() multiply by 2.
The result	=

(eg1) The sum of two ^{x and y} numbers is 9. If twice the first number is added to three times the second the answer is 20. Find the two numbers.

- (1) Make two equations. $\left. \begin{array}{l} \textcircled{1} x + y = 9 \text{ (-3)} \\ \textcircled{2} 2x + 3y = 20 \end{array} \right\} \text{ solve}$

$(7) + y = 9$
 $-7 \mid \quad y = 2 \mid -7$

\Rightarrow $-3x - 3y = -27$
 $2x + 3y = 20$

 $-1x = -7$
 $x = 7$